

Table of Contents

Chapter 1 Purpose of and Need for Action	1-1
1.1 Introduction	1-1
1.2 Underlying Need for Action	1-1
1.3 Purposes of Action	1-1
1.4 Other BPA Projects in the Area	1-3
1.5 Public Involvement	1-3
Chapter 2 Proposed Action and Alternatives	2-1
2.1 Proposed Action	2-1
2.2 No Action Alternative	2-9
2.3 Alternatives Considered but Eliminated from Detailed Study	2-9
2.4 Comparison of Alternatives	2-10
Chapter 3 Affected Environment, Environmental Consequences, and Mitigation	3-1
3.1 Introduction	3-1
3.2 Land Use	3-4
3.3 Geology And Soils	3-9
3.4 Vegetation	3-13
3.5 Fish And Wildlife	3-17
3.6 Water Quality	3-26
3.7 Wetlands	3-31
3.8 Floodplains	3-36
3.9 Visual Quality	3-39
3.10 Air Quality	3-45
3.11 Socioeconomics	3-47
3.12 Cultural Resources	3-52
3.13 Health And Safety	3-55
3.14 Noise	3-57
Chapter 4 Environmental Consultation, Review, and Permit Requirements	4-1
4.1 National Environmental Policy Act	4-1
4.2 Threatened and Endangered Species and Critical Habitat	4-1
4.3 Fish and Wildlife	4-4
4.4 Cultural and Historical Resources	4-7
4.5 State, Areawide, and Local Plan and Program Consistency	4-7
4.6 Washington Forest Practices Act	4-11
4.7 Coastal Zone Management Act Consistency	4-11
4.8 Air Quality	4-11
4.9 Floodplains and Wetlands Protection	4-12
4.10 Permits for Discharges into Waters of the United States	4-13
4.11 Global Warming	4-14
4.12 Hazardous Materials	4-14
4.13 Executive Order on Environmental Justice	4-15
4.14 Resource Conservation and Recovery Act	4-15
4.15 Noise	4-15

4.16 Federal Communications Commission	4-16
4.17 Requirements Not Applicable to this Project.....	4-16
Chapter 5 Persons and Agencies Consulted.....	5-1
Chapter 6 Glossary and Acronyms.....	6-1
Chapter 7 References	7-1
Chapter 8 Public/Agency Comments and Responses	8-1

Appendix A: Impact Level Definitions **A-1**

Appendix B: Data Tables

B-1. Plants Observed in Project Vicinity	B-1
B-2. Stream Types and Fish Presence in the Project Corridor.....	B-4
B-3. Fish and Wildlife Potentially Occurring in the Project Corridor.....	B-7
B-4. Population Trends for Grays Harbor and Pacific Counties, 1980-2002	B-9
B-5. Full and Part-time Employment in Grays Harbor and Pacific Counties, 2000	B-10
B-6. Wage and Salary Employment in Grays Harbor and Pacific Counties, 2000	B-10
B-7. Income Characteristics in Grays Harbor and Pacific Counties	B-11
B-8. Race Distribution in the Two-County Region and Washington State, 2000	B-12
B-9. Median Household Incomes of Study Area and Washington State, 2001....	B-12
B-10. Construction Noise in the Vicinity of a Representative Construction Site	B-13
B-11. Proposed Structure Location in Relation to Wetlands and Wetland Buffers	B-13

Appendix C: Health and Safety Technical Report

Appendix D: Mitigation Action Plan

LIST OF FIGURES

Figure 1-1. Project Area Overview	1-2
Figure 2-1. Proposed Realignment of Existing ROW Segments	2-3
Figure 2-2. Typical Suspension Structure	2-5
Figure 3-1. Land Use	3-5
Figure 3-2. Floodplains	3-37
Figure 3-3. Looking North at Structure 112 and 113	3-40
Figure 3-4. Looking North at Structure 26 near Dixon Road	3-42
Figure 3-5. Tubular Steel Pole Structure Simulation	3-42
Figure 3-6. Looking North at Structure 52 in Foreground, in WSDOT Scenic Classification BX.....	3-43
Figure 3-7. Looking North Towards Structure 47 (foreground) and 48 & 49 in the Background.....	3-44

LIST OF TABLES

Table 2-1. Comparison of the Proposed Action and No Action Alternatives.....	2-10
Table 3-1. Summary of Impacts of the Proposed Action and No Action Alternatives	3-2
Table 3-2. Structures In or Within 50 Feet of Streams	3-27
Table 3-3. Structures In or Within 50 Feet of Wetlands.....	3-32
Table 3-4. Activities in Floodplains and Their Impacts	3-38
Table 3-5. Predicted Foul-Weather Audible Noise Levels at Edge of ROW for Proposed Project and Existing 115-kV Line	3-59